

STATISTICS AND INTRODUCTION TO ECONOMETRICS

22010 - STATISTICS AND INTRODUCTION TO ECONOMETRICS (2024-25)

General

Code: 22010

Lecturer responsible:

MORA LOPEZ, JUAN

Credits ECTS:

9,00

Theoretical credits:

1,80

Practical credits:

1,80

Distance-base hours:

5,40

Departments involved

- **Dept:** FOUNDATIONS OF ECONOMIC ANALYSIS

Area: FOUNDATIONS OF ECONOMIC ANALYSIS

Theoretical credits: 1,8

Practical credits: 1,8

This Dept. is responsible for the course.

This Dept. is responsible for the final mark record.

Study programmes where this course is taught

- [DOUBLE DEGREE IN LAW + ADE \(DADE\)](#)
Course type: COMPULSORY (Year: 2)
- [DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION AND MANAGEMENT](#)
Course type: COMPULSORY (Year: 2)
- [DOUBLE DEGREE IN COMPUTER ENGINEERING AND BUSINESS ADMINISTRATION](#)
Course type: COMPULSORY (Year: 3)
- [DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT](#)
Course type: COMPULSORY (Year: 2)

Competencies and objectives

Course context for academic year 2024-25

Statistical and econometric techniques are important tools for analysing economic data; therefore they are part of the programs in the Grades in Business Administration all around the world.

The course "Statistics and Introduction to Econometrics" is the second course of the area denoted as Quantitative Methods: Statistics and Econometrics, in the Degree of Business Administration at the University of Alicante. The goal of this course is to provide the students with the basic knowledge on Statistical Inference, which allow to withdraw conclusion about an event of economic interest from the observed data, and to teach the basic econometric techniques which allow to analyse the relationship between the economic and business variables.

Course content (verified by ANECA in official undergraduate and Master's degrees) for academic year {0}

General Competences (CG)

- **CG1** : Capacitat per a la recerca i anàlisi d'informació.
- **CG4** : Aplicar a l'anàlisi dels problemes criteris professionals basats en la utilització d'instruments tècnics.
- **CG5** : Capacitat per a la presa de decisions aplicant els coneixements a la pràctica.
- **CG6** : Derivar de les dades informació rellevant impossible de reconèixer per no professionals.
- **CG8** : Analitzar els problemes amb raonament crític, sense prejudicis, amb precisió i rigor.

General Competences acquired at University of Alicante (CGUA)

- **CGUA2** : Usar habitualment les eines informàtiques, així com la tecnologia de la informació i les comunicacions en tot el seu exercici professional.
- **CGUA3** : Capacitat de comunicació oral i escrita.

Specific Competences (CE)

- **CE13** : A partir de dades d'interès econòmic empresarial, ser capaç d'aplicar les eines estadístiques i econòmiques adequades per a l'anàlisi de l'empresa i el seu entorn.
- **CE15** : Preparar la presa de decisions en empreses i organitzacions, especialment en els nivells operatiu i tàctic.
- **CE3** : Valorar a partir dels registres rellevants d'informació la situació i previsible evolució d'una empresa.
- **CE4** : Emetre informes d'assessorament sobre situacions concretes d'empreses i mercats.
- **CE5** : Redactar projectes de gestió global o d'àrees funcionals de l'empresa.

Exclusive skill taught in this course

No data

Learning outcomes (Training objectives)

No data

Specific objectives stated by the academic staff for academic year 2024-25

Enabling the students to use Excel for statistical inference and econometric analysis

BLOCK 1: STATISTICAL INFERENCE

Unit 1: Sampling and Distributions of Sample Statistics

- 1.1. Basic concepts on sampling
- 1.2. Distribution of the sample mean and the central limit theorem
- 1.3. Distribution of the sample proportion
- 1.4. Distribution of the sample variance

Basic Bibliography: Chapter 6 in Newbold et al. (2013)

Unit 2: Point Estimation and Confidence Intervals

- 2.1. Point estimators and their properties
- 2.2. Confidence interval for the mean of a normal population with known variance
- 2.3. Confidence interval for the mean of a normal population with unknown variance
- 2.4. Confidence interval for a mean or a proportion with large samples
- 2.5. Confidence interval for the variance of a normal population

Basic Bibliography: Chapter 7 in Newbold et al. (2013)

Unit 3: Hypothesis Testing with One Sample

- 3.1. Basic concepts on hypothesis testing
- 3.2. Tests on the mean of a normal population with known variance
- 3.3. Tests on the mean of a normal population with unknown variance
- 3.4. Tests on a mean or a proportion with large samples
- 3.5. Tests on the variance of a normal population
- 3.6. Duality between hypothesis tests and confidence intervals
- 3.7. How to make decisions with hypothesis tests

Basic Bibliography: Chapter 9 in Newbold et al. (2013)

Unit 4: Statistical Inference with Two Samples

- 4.1. Inference on the difference of means with matched samples
- 4.2. Inference on the difference of means in normal populations with independent samples
- 4.3. Inference on the difference of means or proportions with independent large samples
- 4.4. Inference on the ratio of variances in normal populations with independent samples

Basic Bibliography: Chapters 8 and 10 de Newbold et al. (2013)

Unit 5: Specification Tests

- 5.1. Jarque-Bera normality test
- 5.2. Chi-square goodness-of-fit test
- 5.3. Test of independence between two qualitative variables

Basic Bibliography: Sections 14.1-14.3 in Newbold et al. (2013)

BLOCK 2: ECONOMETRICS

Unit 6: The Simple Regression Model

- 6.1. Introduction to the econometric analysis
- 6.2. Definition of the simple regression model
- 6.3. The Ordinary Least Squares (OLS) estimator and its interpretation
- 6.4. Fitted values, residuals and goodness-of-fit
- 6.5. Measurement units and functional form
- 6.6. Statistical properties of OLS estimators

Basic Bibliography: Chapters 1 and 2 in Wooldridge (2006)

Unit 7: The Multiple Regression Model: Definition and Estimation

- 7.1. Definition of the multiple regression model
- 7.2. The OLS estimator and its interpretation
- 7.3. Fitted values, residuals and goodness-of-fit
- 7.4. Statistical properties of OLS estimators
- 7.5. Specification problems: inclusion of irrelevant variables and omission of relevant variables

Basic Bibliography: Chapter 3 in Wooldridge (2006)

Unit 8: The Multiple Regression Model: Inference

- 8.1. Distribution of the OLS estimators under normality
- 8.2. Tests on a parameter of the regression model: the t-test
- 8.3. Confidence interval for a parameter of the regression model
- 8.4. Tests on a linear restriction on the parameters: the t-test
- 8.5. Tests on one or several linear restrictions on the parameters: the F-test
- 8.6. Inference with large samples

Basic Bibliography: Chapter 4 in Wooldridge (2006)

Unit 9: The Regression Model with Qualitative Information: Dummy Variables

- 9.1. Regression with one independent dummy variable
- 9.2. Regression with several independent dummy variables
- 9.3. Regression with qualitative variables with multiple categories as independent variables
- 9.4. Tests on the existence of differences between groups in a regression model

Basic Bibliography: Chapter 7 in Wooldridge (2006)

Related links

No data

Estadística para administración y economía

Author(s): Newbold, Paul

Issue: Madrid : Pearson Educación, 2013;

ISBN: 978-84-1555-220-8

Category: Básico

Introducción a la econometría. Un enfoque moderno

Author(s): Wooldridge, Jeffrey M.

Issue: Madrid : Thomson-Paraninfo, 2006;

ISBN: 978-84-9732-268-3

Category: Básico

Statistics for business and economics

Author(s): Newbold, Paul ; Carlson, William L. ; Thorne, Betty M.

Issue: Harlow : Pearson, 2013;

ISBN: 978-0-273-76706-0

Category: Básico

Assessment procedures and criteria 2024-25


GRADING IN JANUARY ("Convocatoria Ordinaria", C2): The grade of all students who do not have a grade in any activity will be NOT TAKEN ("NO PRESENTADO"). The rest of the students will get a PASS ("APTO") if the weighted average of their three grades is not lower than 5 and, moreover, the grade in the exam of Block 2 is not lower than 4 (when computing the weighted average, a "NOT TAKEN" grade in any activity will be considered as equivalent to 0). The final grade of a student whose grade is not lower than 4 in the exam of Block 2 will be the weighted average of the three grades; the final grade of a student whose grade is lower than 4 in the exam of Block 2 will be the minimum between 4.5 and the weighted average.

GRADING IN JULY ("Convocatoria Extraordinaria", C4): It is possible to retake the exam of Block 1 and/or the exam of the Block 2. However, the grade on attendance and participation of "Convocatoria Ordinaria" will be kept. Students who did not get a PASS in "Convocatoria Ordinaria" can decide whether they want to retake both the exam of Block 1 and the exam of Block 2, or just one of them. These two retake exams will be taken separately (one for Block 1 and another for Block 2); they will be held on the date that the Faculty indicates for exam of "Convocatoria Extraordinaria C4", and they will be similar to those given in "Convocatoria Ordinaria." The grade of all students who do not take any retake exam will be NOT TAKEN ("NO PRESENTADO"). For the rest of the students, the final grade will be calculated according to the following criteria: **a) Students who take both retake exams:** If the grade they obtain in the retake exam of Block 2 is not lower than 4, their final grade will be the weighted average of the three grades (this average will be computed with the grades of the retake exams and the grade on Attendance and Participation of "Convocatoria Ordinaria"); if the grade they obtain in the retake exam of Block 2 is lower than 4, their final grade will be the minimum between 4.5 and the weighted average (i.e., they will not get a PASS); **b) Students who only take the retake exam of Block 2:** If the grade they obtain in the retake exam of Block 2 is not lower than 4, their final grade will be the weighted average of the three grades (this average will be computed with the grade of the retake exam of Block 2, and the other two grades of "Convocatoria Ordinaria"); if the grade they obtain in the retake exam of Block 2 is lower than 4, their final grade will be the minimum between 4.5 and the weighted average (i.e., they will not get a PASS); **c) Students who only take the retake exam of Block 1:** If the grade they obtained in the exam of Block 2 in "Convocatoria Ordinaria" is not lower than 4, their final grade will be the weighted average of the three grades (this average will be computed with the grade of the retake exam of Block 1, and the other two grades of "Convocatoria Ordinaria"); if the grade they obtained in the exam of Block 2 in "Convocatoria Ordinaria" is lower than 4, their final grade will be the minimum between 4.5 and the weighted average (i.e., they will not get a PASS).

ALTERNATIVE GRADING SYSTEM: Students with curricular adaptation should contact the responsible lecturer of the course.

Description	Criteria	Type	Weighting system
ATTENDANCE AND PARTICIPATION	At the beginning of the course, the instructor of each group will tell the students how this item will be assessed in his/her group. The following activities may be considered: attendance to practice sessions, presentations in class, short exams held in class, problems handed in during the course, or similar activities.	ACTIVITIES OF EVALUATION DURING THE SEMESTER	5
EXAM OF BLOCK 1 (Units 1, 2, 3, 4 and 5)	It will be held on week 8, approximately. The exam will have two parts: the first part will be a practical exam on statistical inference using Excel; the second part will be a theoretical-practice exam in which Excel cannot be used (though a pocket calculator can be used), with some problems similar to those of the Problems Sets that do not require Excel, and some theory questions. The exam will be graded on a 0-10 scale: approximately 2.5 points for the first part, 5.5 points for the problems of the second part, and 2 points for the theory questions of the second part.	ACTIVITIES OF EVALUATION DURING THE SEMESTER	50
EXAM OF BLOCK 2 (Units 6, 7, 8 and 9)	It will be held once the course is completed, on the date that the Faculty indicates for examen of "Convocatoria Ordinaria C2". The exam will have two parts: the first part will be a practical exam on econometric analysis using Excel (but without pocket calculator); the second part will be a theoretical-practice exam in which Excel cannot be used (though a pocket calculator can be used), with some theory questions and some problems similar to those of the Problems Sets that do not require Excel. The exam will be graded on a 0-10 scale: approximately 5 points for the first part, 2 points for the theory questions of the second part, and 3 points for the problems of the second part.	ACTIVITIES OF EVALUATION DURING THE SEMESTER	45

Official exam dates for academic year 2024-25

Exam session	Date	Time	Group - Classroom(s) allocated	Comments
(C1) Pruebas extraordinarias de finalización de estudios	23/09/2024	09:00 - 14:00	CI/0004 	
(C2) Periodo ordinario para asignaturas de primer semestre	21/01/2025			

Academic staff



MORA LOPEZ, JUAN

Lecturer responsible

THEORY CLASS: Groups: 51

PROBLEM PRACTICALS / WORKSHOP: Groups: 51

COMPUTER PRACTICALS: Groups: 51



ABDRAZAKOVA, ADILYA

PROBLEM PRACTICALS / WORKSHOP: Groups: 77

COMPUTER PRACTICALS: Groups: 77



ARROYO CLEMENTE, JOSE FRANCISCO

THEORY CLASS: Groups: 4 , 52

PROBLEM PRACTICALS / WORKSHOP: Groups: 4 , 52

COMPUTER PRACTICALS: Groups: 4 , 52



COLLADO VINDEL, MARIA DOLORES

THEORY CLASS: Groups: 40

PROBLEM PRACTICALS / WORKSHOP: Groups: 40

COMPUTER PRACTICALS: Groups: 40



DENIA CUESTA, ALFONSA

THEORY CLASS: Groups: 20

PROBLEM PRACTICALS / WORKSHOP: Groups: 20

COMPUTER PRACTICALS: Groups: 20



ESTAÑ PEREÑA, MARIA TERESA

THEORY CLASS: Groups: 1 , 3

PROBLEM PRACTICALS / WORKSHOP: Groups: 1 , 3

COMPUTER PRACTICALS: Groups: 1 , 3



JUNG, EUI YOUNG

PROBLEM PRACTICALS / WORKSHOP: Groups: 77
COMPUTER PRACTICALS: Groups: 77



MARTINEZ PEREZ, MARIA DEL PILAR

THEORY CLASS: Groups: 30
PROBLEM PRACTICALS / WORKSHOP: Groups: 30
COMPUTER PRACTICALS: Groups: 30



PRIETO PEREZ, ARTURO

THEORY CLASS: Groups: 2
PROBLEM PRACTICALS / WORKSHOP: Groups: 2
COMPUTER PRACTICALS: Groups: 2



SADRI, SEYED SAEED

THEORY CLASS: Groups: 77



SANJURJO MCNAMARA, ADAM

THEORY CLASS: Groups: 51
PROBLEM PRACTICALS / WORKSHOP: Groups: 51 , 40

Groups

THEORY CLASS

Group	Semester	Morning or afternoon session	Language	No. of enrolled students	
Gr. TMP-ADE (THEORY CLASS) : PROVISIONAL GROUP TO FINISH REGISTRATION	1S	All day	Spanish	0	<ul style="list-style-type: none"> Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT
Gr. TMP-TADE (THEORY CLASS) : GRUPO PROVISIONAL PARA FINALIZAR MATRÍCULA	1S	All day	Spanish	0	<ul style="list-style-type: none"> Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION
Gr. TMP2 (THEORY CLASS) : GRUPO PROVISIONAL PARA FINALIZAR MATRICULA DADE	1S	All day	Spanish	0	<ul style="list-style-type: none"> Allowed DEGREE IN LAW
Gr. 1 (THEORY CLASS) : 1	1S	Morning	Spanish	70	<ul style="list-style-type: none"> Allowed INTERNATIONAL MOBILITY PROGRAMME Allowed VISITING STUDENT EEES Allowed VISITING STUDENT NO EEES Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT
Gr. 2 (THEORY CLASS) : 2	1S	Afternoon	Spanish	62	<ul style="list-style-type: none"> Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT Allowed INTERNATIONAL MOBILITY PROGRAMME Allowed VISITING STUDENT NO EEES Allowed VISITING STUDENT EEES
Gr. 20 (THEORY CLASS) : 20 TADE	1S	Morning	Spanish	12	<ul style="list-style-type: none"> Allowed VISITING STUDENT NO EEES Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION Allowed VISITING STUDENT EEES Allowed INTERNATIONAL MOBILITY PROGRAMME
Gr. 3 (THEORY CLASS) : 3	1S	Morning	Spanish	65	<ul style="list-style-type: none"> Allowed VISITING STUDENT EEES Allowed INTERNATIONAL MOBILITY PROGRAMME Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT Allowed VISITING STUDENT NO EEES
Gr. 30 (THEORY CLASS) : 30 TADE	1S	Afternoon	Spanish	13	<ul style="list-style-type: none"> Allowed VISITING STUDENT EEES Allowed VISITING STUDENT NO EEES Allowed INTERNATIONAL MOBILITY PROGRAMME Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION
Gr. 4 (THEORY CLASS) : 4	1S	Afternoon	Spanish	60	<ul style="list-style-type: none"> Allowed INTERNATIONAL MOBILITY PROGRAMME Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT Allowed VISITING STUDENT EEES Allowed VISITING STUDENT NO EEES

Group	Semester	Morning or afternoon session	Language	No. of enrolled students	
Gr. 40 (THEORY CLASS) : 40 I2ADE	1S	Morning	Spanish	49	<ul style="list-style-type: none"> Allowed VISITING STUDENT NO EEES Allowed VISITING STUDENT EEES Allowed INTERNATIONAL MOBILITY PROGRAMME Allowed DOUBLE DEGREE IN COMPUTER ENGINEERING AND BUSINESS ADMINISTRATION
Gr. 51 (THEORY CLASS) : GROUP 51 DADE	1S	Morning	Spanish	58	<ul style="list-style-type: none"> Allowed VISITING STUDENT NO EEES Allowed DOUBLE DEGREE IN LAW + ADE (DADE) Allowed VISITING STUDENT EEES Allowed INTERNATIONAL MOBILITY PROGRAMME
Gr. 52 (THEORY CLASS) : GROUP 52 DADE	1S	Afternoon	Spanish	59	<ul style="list-style-type: none"> Allowed DOUBLE DEGREE IN LAW + ADE (DADE) Allowed INTERNATIONAL MOBILITY PROGRAMME Allowed VISITING STUDENT NO EEES Allowed VISITING STUDENT EEES
Gr. 77 (THEORY CLASS) : 77 (ARA)	1S	Morning	English	25	<ul style="list-style-type: none"> Not allowed DOUBLE DEGREE IN LAW + ADE (DADE)

PROBLEM PRACTICALS / WORKSHOP

Group	Semester	Morning or afternoon session	Language	No. of enrolled students	
Gr. TMP-ADE (PROBLEM PRACTICALS / WORKSHOP) : PROVISIONAL GROUP TO FINISH REGISTRATION	1S	All day	Spanish	0	<ul style="list-style-type: none"> Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT
Gr. TMP-TADE (PROBLEM PRACTICALS / WORKSHOP) : GRUPO PROVISIONAL PARA FINALIZAR MATRÍCULA	1S	All day	Spanish	0	<ul style="list-style-type: none"> Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION
Gr. TMP2 (PROBLEM PRACTICALS / WORKSHOP) : GRUPO PROVISIONAL PARA FINALIZAR MATRICULA DADE	1S	All day	Spanish	0	<ul style="list-style-type: none"> Allowed DEGREE IN LAW
Gr. 1 (PROBLEM PRACTICALS / WORKSHOP) : 1	1S	Morning	Spanish	70	<ul style="list-style-type: none"> Allowed VISITING STUDENT NO EEES Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT Allowed VISITING STUDENT EEES Allowed INTERNATIONAL MOBILITY PROGRAMME

Group	Semester	Morning or afternoon session	Language	No. of enrolled students	
Gr. 2 (PROBLEM PRACTICALS / WORKSHOP) : 2	1S	Afternoon	Spanish	62	<ul style="list-style-type: none"> ▪ Allowed INTERNATIONAL MOBILITY PROGRAMME ▪ Allowed VISITING STUDENT EEEES ▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT ▪ Allowed VISITING STUDENT NO EEEES
Gr. 20 (PROBLEM PRACTICALS / WORKSHOP) : 20 TADE	1S	Morning	Spanish	12	<ul style="list-style-type: none"> ▪ Allowed INTERNATIONAL MOBILITY PROGRAMME ▪ Allowed VISITING STUDENT NO EEEES ▪ Allowed VISITING STUDENT EEEES ▪ Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION
Gr. 3 (PROBLEM PRACTICALS / WORKSHOP) : 3	1S	Morning	Spanish	65	<ul style="list-style-type: none"> ▪ Allowed VISITING STUDENT NO EEEES ▪ Allowed INTERNATIONAL MOBILITY PROGRAMME ▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT ▪ Allowed VISITING STUDENT EEEES
Gr. 30 (PROBLEM PRACTICALS / WORKSHOP) : 30 TADE	1S	Afternoon	Spanish	13	<ul style="list-style-type: none"> ▪ Allowed INTERNATIONAL MOBILITY PROGRAMME ▪ Allowed VISITING STUDENT NO EEEES ▪ Allowed VISITING STUDENT EEEES ▪ Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION
Gr. 4 (PROBLEM PRACTICALS / WORKSHOP) : 4	1S	Afternoon	Spanish	60	<ul style="list-style-type: none"> ▪ Allowed VISITING STUDENT NO EEEES ▪ Allowed INTERNATIONAL MOBILITY PROGRAMME ▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT ▪ Allowed VISITING STUDENT EEEES
Gr. 40 (PROBLEM PRACTICALS / WORKSHOP) : 40 I2ADE	1S	Morning	Spanish	49	<ul style="list-style-type: none"> ▪ Allowed VISITING STUDENT EEEES ▪ Allowed INTERNATIONAL MOBILITY PROGRAMME ▪ Allowed VISITING STUDENT NO EEEES ▪ Allowed DOUBLE DEGREE IN COMPUTER ENGINEERING AND BUSINESS ADMINISTRATION
Gr. 51 (PROBLEM PRACTICALS / WORKSHOP) : GROUP 51 DADE	1S	Morning	Spanish	58	<ul style="list-style-type: none"> ▪ Allowed DOUBLE DEGREE IN LAW + ADE (DADE) ▪ Allowed VISITING STUDENT NO EEEES ▪ Allowed VISITING STUDENT EEEES ▪ Allowed INTERNATIONAL MOBILITY PROGRAMME
Gr. 52 (PROBLEM PRACTICALS / WORKSHOP) : GROUP 52 DADE	1S	Afternoon	Spanish	59	<ul style="list-style-type: none"> ▪ Allowed VISITING STUDENT EEEES ▪ Allowed INTERNATIONAL MOBILITY PROGRAMME ▪ Allowed DOUBLE DEGREE IN LAW + ADE (DADE) ▪ Allowed VISITING STUDENT NO EEEES





















Group	Semester	Morning or afternoon session	Language	No. of enrolled students	
Gr. 77 (PROBLEM PRACTICALS / WORKSHOP) : 77 (ARA)	1S	Morning	English	25	<ul style="list-style-type: none"> Not allowed DOUBLE DEGREE IN LAW + ADE (DADE)

COMPUTER PRACTICALS






















Group	Semester	Morning or afternoon session	Language	No. of enrolled students	
Gr. TMP-ADE (COMPUTER PRACTICALS) : PROVISIONAL GROUP TO FINISH REGISTRATION	1S	All day	Spanish	0	<ul style="list-style-type: none"> Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT
Gr. TMP-TADE (COMPUTER PRACTICALS) : GRUPO PROVISIONAL PARA FINALIZAR MATRÍCULA	1S	All day	Spanish	0	<ul style="list-style-type: none"> Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION
Gr. TMP2 (COMPUTER PRACTICALS) : GRUPO PROVISIONAL PARA FINALIZAR MATRÍCULA	1S	All day	Spanish	0	<ul style="list-style-type: none"> Allowed DEGREE IN LAW
Gr. 1 (COMPUTER PRACTICALS) : 1	1S	Morning	Spanish	70	<ul style="list-style-type: none"> Allowed VISITING STUDENT NO EEES Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT Allowed VISITING STUDENT EEES Allowed INTERNATIONAL MOBILITY PROGRAMME
Gr. 2 (COMPUTER PRACTICALS) : 2	1S	Afternoon	Spanish	62	<ul style="list-style-type: none"> Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT Allowed VISITING STUDENT NO EEES Allowed INTERNATIONAL MOBILITY PROGRAMME Allowed VISITING STUDENT EEES
Gr. 20 (COMPUTER PRACTICALS) : 20 TADE	1S	Morning	Spanish	12	<ul style="list-style-type: none"> Allowed INTERNATIONAL MOBILITY PROGRAMME Allowed VISITING STUDENT NO EEES Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION Allowed VISITING STUDENT EEES
Gr. 3 (COMPUTER PRACTICALS) : 3	1S	Morning	Spanish	65	<ul style="list-style-type: none"> Allowed VISITING STUDENT EEES Allowed INTERNATIONAL MOBILITY PROGRAMME Allowed VISITING STUDENT NO EEES Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT











Group	Semester	Morning or afternoon session	Language	No. of enrolled students	
Gr. 30 (COMPUTER PRACTICALS) : 30 TADE	1S	Afternoon	Spanish	13	<ul style="list-style-type: none"> ▪ Allowed INTERNATIONAL MOBILITY PROGRAMME ▪ Allowed VISITING STUDENT NO EEES ▪ Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION ▪ Allowed VISITING STUDENT EEES
Gr. 4 (COMPUTER PRACTICALS) : 4	1S	Afternoon	Spanish	60	<ul style="list-style-type: none"> ▪ Allowed INTERNATIONAL MOBILITY PROGRAMME ▪ Allowed VISITING STUDENT EEES ▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT ▪ Allowed VISITING STUDENT NO EEES
Gr. 40 (COMPUTER PRACTICALS) : 40 I2ADE	1S	Morning	Spanish	49	<ul style="list-style-type: none"> ▪ Allowed INTERNATIONAL MOBILITY PROGRAMME ▪ Allowed VISITING STUDENT NO EEES ▪ Allowed DOUBLE DEGREE IN COMPUTER ENGINEERING AND BUSINESS ADMINISTRATION ▪ Allowed VISITING STUDENT EEES
Gr. 51 (COMPUTER PRACTICALS) : GROUP 51 DADE	1S	Morning	Spanish	58	<ul style="list-style-type: none"> ▪ Allowed DOUBLE DEGREE IN LAW + ADE (DADE) ▪ Allowed VISITING STUDENT EEES ▪ Allowed VISITING STUDENT NO EEES ▪ Allowed INTERNATIONAL MOBILITY PROGRAMME
Gr. 52 (COMPUTER PRACTICALS) : GROUP 52 DADE	1S	Afternoon	Spanish	59	<ul style="list-style-type: none"> ▪ Allowed DOUBLE DEGREE IN LAW + ADE (DADE) ▪ Allowed VISITING STUDENT NO EEES ▪ Allowed VISITING STUDENT EEES ▪ Allowed INTERNATIONAL MOBILITY PROGRAMME
Gr. 77 (COMPUTER PRACTICALS) : 77 (ARA)	1S	Morning	English	25	<ul style="list-style-type: none"> ▪ Not allowed DOUBLE DEGREE IN LAW + ADE (DADE)

THEORY CLASS










Group	Start date	End date	Day	Start time	End time	Lecture room
1	09/09/2024	20/12/2024	MIE	10:00	11:00	A1/0-24G 
1	09/09/2024	20/12/2024	VIE	09:00	11:00	A1/0-24G 
2	09/09/2024	20/12/2024	MIE	18:00	19:00	A1/1-40P 
2	09/09/2024	20/12/2024	JUE	15:00	17:00	A1/1-40P 
20	09/09/2024	20/12/2024	MIE	09:00	11:00	A1/0-11P 
20	09/09/2024	20/12/2024	JUE	09:00	10:00	A1/0-11P 
3	09/09/2024	20/12/2024	MIE	11:00	12:00	A1/0-04G 
3	09/09/2024	20/12/2024	VIE	11:00	13:00	A1/0-04G 
30	09/09/2024	20/12/2024	MIE	15:30	16:30	A1/1-38P 
30	09/09/2024	20/12/2024	JUE	17:00	19:00	A1/0-01G 
4	09/09/2024	20/12/2024	MAR	17:00	18:00	A1/1-32P 
4	09/09/2024	20/12/2024	JUE	17:00	19:00	A1/1-32P 
40	09/09/2024	20/12/2024	MIE	09:00	11:00	A2/E11 
40	09/09/2024	20/12/2024	JUE	09:00	10:00	A2/E11 
51	09/09/2024	20/12/2024	MIE	12:00	14:00	DE/1-11P 
51	09/09/2024	20/12/2024	JUE	13:00	14:00	DE/1-11P 
52	09/09/2024	20/12/2024	LUN	19:00	21:00	DE/1-11P 
52	09/09/2024	20/12/2024	JUE	15:00	16:00	DE/1-11P 
77	09/09/2024	20/12/2024	JUE	09:30	11:30	A1/1-26P 
77	09/09/2024	20/12/2024	VIE	10:00	11:00	A1/1-26P 







PROBLEM PRACTICALS / WORKSHOP

Group	Start date	End date	Day	Start time	End time	Lecture room
1	09/09/2024	27/09/2024	MIE	09:00	10:00	A1/0-24G 
1	30/09/2024	20/12/2024	MIE	09:00	10:00	A1/0-24G 
1	30/09/2024	20/12/2024	JUE	09:00	11:00	A1/0-24G 
2	09/09/2024	27/09/2024	MIE	19:00	20:00	A1/1-40P 
2	30/09/2024	20/12/2024	MIE	19:00	20:00	A1/1-40P 
2	30/09/2024	20/12/2024	VIE	15:00	17:00	A1/1-40P 
20	09/09/2024	27/09/2024	JUE	10:00	11:00	A1/0-11P 
20	30/09/2024	20/12/2024	MAR	10:00	12:00	A1/0-11P 
20	30/09/2024	20/12/2024	JUE	10:00	11:00	A1/0-11P 
3	09/09/2024	27/09/2024	MIE	12:00	13:00	A1/0-04G 
3	30/09/2024	20/12/2024	MIE	12:00	13:00	A1/0-04G 
3	30/09/2024	20/12/2024	JUE	11:00	13:00	A1/0-04G 
30	09/09/2024	27/09/2024	MIE	16:30	17:30	A1/1-38P 
30	30/09/2024	20/12/2024	LUN	15:30	17:30	A1/1-59M 
30	30/09/2024	20/12/2024	MIE	16:30	17:30	A1/1-38P 
4	09/09/2024	27/09/2024	MAR	16:00	17:00	A1/1-32P 
4	30/09/2024	20/12/2024	MAR	16:00	17:00	A1/1-32P 
4	30/09/2024	20/12/2024	VIE	15:00	17:00	A1/1-32P 
40	09/09/2024	27/09/2024	JUE	10:00	11:00	A2/E11 
40	30/09/2024	20/12/2024	MAR	10:30	12:30	A2/E11 
40	30/09/2024	20/12/2024	JUE	10:00	11:00	A2/E11 
51	09/09/2024	13/09/2024	JUE	14:00	15:00	DE/1-11P 

Group	Start date	End date	Day	Start time	End time	Lecture room
51	23/09/2024	27/09/2024	MAR	12:30	14:30	DE/1-11P 
51	30/09/2024	20/12/2024	MAR	12:30	14:30	DE/1-11P 
51	30/09/2024	20/12/2024	JUE	14:00	15:00	DE/1-11P 
52	09/09/2024	13/09/2024	JUE	16:00	17:00	DE/1-11P 
52	23/09/2024	27/09/2024	VIE	17:00	19:00	DE/1-11P 
52	30/09/2024	20/12/2024	JUE	16:00	17:00	DE/1-11P 
52	30/09/2024	20/12/2024	VIE	17:00	19:00	DE/1-11P 
77	09/09/2024	27/09/2024	MIE	10:00	11:00	A1/1-26P 
77	30/09/2024	20/12/2024	MAR	11:00	13:00	A1/1-26P 
77	30/09/2024	20/12/2024	MIE	10:00	11:00	A1/1-26P 

COMPUTER PRACTICALS

Group	Start date	End date	Day	Start time	End time	Lecture room
1	09/09/2024	27/09/2024	JUE	09:00	11:00	A1/0-24G 
2	09/09/2024	27/09/2024	VIE	15:00	17:00	A1/1-40P 
20	09/09/2024	27/09/2024	MAR	10:00	12:00	A1/0-11P 
3	09/09/2024	27/09/2024	JUE	11:00	13:00	A1/0-04G 
30	09/09/2024	27/09/2024	LUN	15:30	17:30	A1/1-59M 
4	09/09/2024	27/09/2024	VIE	15:00	17:00	A1/1-32P 
40	09/09/2024	27/09/2024	MAR	10:30	12:30	A2/E11 
51	09/09/2024	13/09/2024	MAR	12:30	14:30	DE/1-11P 
51	16/09/2024	20/09/2024	MAR	12:30	14:30	DE/1-11P 

Group	Start date	End date	Day	Start time	End time	Lecture room
51	16/09/2024	20/09/2024	JUE	14:00	15:00	DE/1-11P 
51	23/09/2024	27/09/2024	JUE	14:00	15:00	DE/1-11P 
52	09/09/2024	13/09/2024	VIE	17:00	19:00	DE/1-11P 
52	16/09/2024	20/09/2024	JUE	16:00	17:00	DE/1-11P 
52	16/09/2024	20/09/2024	VIE	17:00	19:00	DE/1-11P 
52	23/09/2024	27/09/2024	JUE	16:00	17:00	DE/1-11P 
77	09/09/2024	27/09/2024	MAR	11:00	13:00	A1/1-26P 